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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/916,804 07/27/2001		07/27/2001	Yutaka Takeshima	P/1071-1392	2161	
2352	7590	10/22/2002				
OSTROLENK FABER GERB & SOFFEN 1180 AVENUE OF THE AMERICAS				EXAMINER		
NEW YORK		0368403		BARR, MICHAEL E		
				ART UNIT	PAPER NUMBER	
				1762	6	
				DATE MAILED: 10/22/2002	2	

Please find below and/or attached an Office communication concerning this application or proceeding.

		$\mathcal{U}(\cdot,\cdot)$					
,	Application No.	Applicant(s)					
Office Action Summary	09/916,804	TAKESHIMA, YUTAKA					
Office Action Summary	Examiner	Art Unit					
The MAU ING DATE of this communication and	Michael Barr	1762					
The MAILING DATE of this communication app Period for Reply	Dears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be time y within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONET.	wely filed s will be considered timely. the mailing date of this communication.					
1) Responsive to communication(s) filed on 10/7	<u>7/02</u> .						
2a)⊠ This action is FINAL . 2b)□ Th	is action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims							
4)⊠ Claim(s) <u>1-14</u> is/are pending in the application	l .						
4a) Of the above claim(s) is/are withdray	vn from consideration.						
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-14</u> is/are rejected.							
7) Claim(s) is/are objected to.	7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9)☐ The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11) The proposed drawing correction filed on		ed by the Examiner.					
If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the Exa	aminer.						
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)-	-(d) or (f).					
a)⊠ All b)□ Some * c)□ None of:							
 Certified copies of the priority documents 	have been received.						
Certified copies of the priority documents	have been received in Application	n No					
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
14) Acknowledgment is made of a claim for domestic							
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
Attachment(s)	• •						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal Par	PTO-413) Paper No(s) Itent Application (PTO-152)					

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments and amendments, filed 10/7/02, have been fully considered and reviewed by the examiner. In light of the amendments and arguments, the rejections of the claims under 35 USC 112 have been withdrawn by the examiner. The examiner acknowledges the cancellation of Claims 15-18. Claims 1-14 are pending.

In response to applicant's argument that the examiner's conclusion of obviousness is based upon improper hindsight reasoning, it must be recognized that any judgment on obviousness is in a sense necessarily a reconstruction based upon hindsight reasoning. But so long as it takes into account only knowledge which was within the level of ordinary skill at the time the claimed invention was made, and does not include knowledge gleaned only from the applicant's disclosure, such a reconstruction is proper. See *In re McLaughlin*, 443 F.2d 1392, 170 USPQ 209 (CCPA 1971). Specifically, the applicant refers the heating vacuum limitations. However, Hayashi et al. teaches that the heat treatment occur while drawing a vacuum in the chamber (Col. 8, lines 37-64). One skilled in the art would have found it suggested to them that the pressure can be less in the chamber than during the deposition, in Hayashi et al., by such a teaching, and thus would have found such a vacuum application an obvious modification to Hayashi et al., with the expectation of providing the desired heat treatment.

The applicant further argues that the references do not teach forming the oxide film at a temperature equal to or higher than the boiling point of the solvent. The examiner respectfully disagrees. The Hayashi reference specifically teaches heating the applied precursor to 200-

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500°C and then to 500-1000°C to form the oxide film (Col. 8, lines 36-57). These temperatures are above the boiling point of the solvents of Hayashi. Therefore, it is the examiner's position that Hayashi does teach the claimed heating conditions. Therefore, the examiner is maintaining the use of the references as previously set forth.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1-3, 9, and 12-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hayashi et al. in view of Solayappan et al.

Hayashi et al. and Solayappan et al. are applied here for the same reasons as given above and in paragraph 8 of the previous office action.

4. Claims 4-8 and 10-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hayashi et al. and Solayappan et al. as applied to claim 1 above, and further in view of Ogi et al.

Hayashi et al., Solayappan et al., and Ogi et al. are applied here for the same reasons as given above and in paragraph 9 of the previous office action.

Conclusion

5. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Barr whose telephone number is 703-305-7919. The examiner can normally be reached on Monday-Thursday 6:00 am-4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shrive Beck can be reached on 703-308-2333. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9310 or 703-305-5408 for regular communications and 703-872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

Michael Barr

Primary Examiner

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